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FEB 22 2007

Subject: Application No. 10/784,497

LU\_AZLEIN

O.A. Mailing Date: 12/05/2006

cc:

Date: February 22, 2007

No. of Pages: 11, including cover

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Comments:

The following Amendment (A) is being provided via fax transmittal.

In the event of any unanticipated need, PTO may reach applicants at above phone number. Applicants wish to thank the PTO for all assistance.

Sincerely,

Sam Azlein

Jiang Lu

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**In the United States Patent and Trademark Office**

Serial Number: 10/784,497

Appn. Filed: 02/23/2004

Applicant(s): Jiang Lu, Samuel F. Azlein

Appn. Title: Aerosol Splitter for ELSD

Examiner/GAU: Davis D. Hwu

Faxed : February 22, 2007 (Broomfield, CO)

**Amendment A**

Commissioner for Patents  
Washington, District of Columbia 20231

Sir:

In response to the Office Letter mailed 12/05 2006, please  
amend the above application as follows:

**CLAIMS**

Cancel all claims of record and substitute new claims 5, 6, 7 and 8.

5. An aerosol splitting device, comprising
- a. a nebulizer means for generating aerosol particles, and
  - b. a non-linear spray chamber means for segregating said aerosol particles based upon their momentum and thus upon their size, and
  - c. temperature control of said non-linear spray chamber as means for shifting aerosol size distribution, and
  - d. a drain suitably located in said non-linear spray chamber